

Figure 1: release kinetics for carboxyfluorescein encapsulated in phosphatidylcholine liposomes (+) and nanotubes consisting of compound A1 (•) measured by spectrofluorimetry.

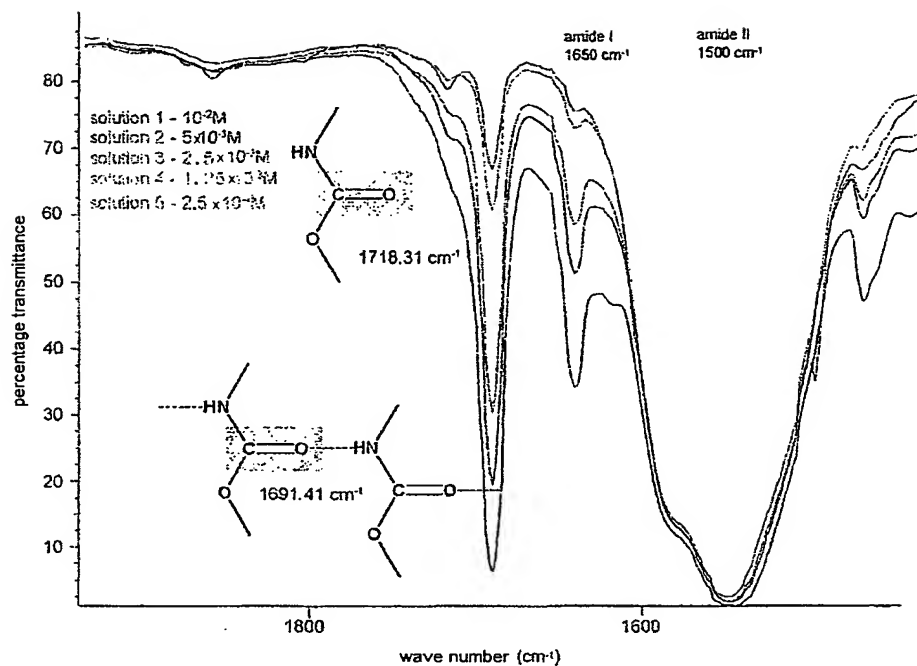


Figure 2: Liquid-phase infrared spectrum of a solution of compound **A1** in CCl₄ at various concentrations (1·10⁻² to 2.5·10⁻⁴ M)

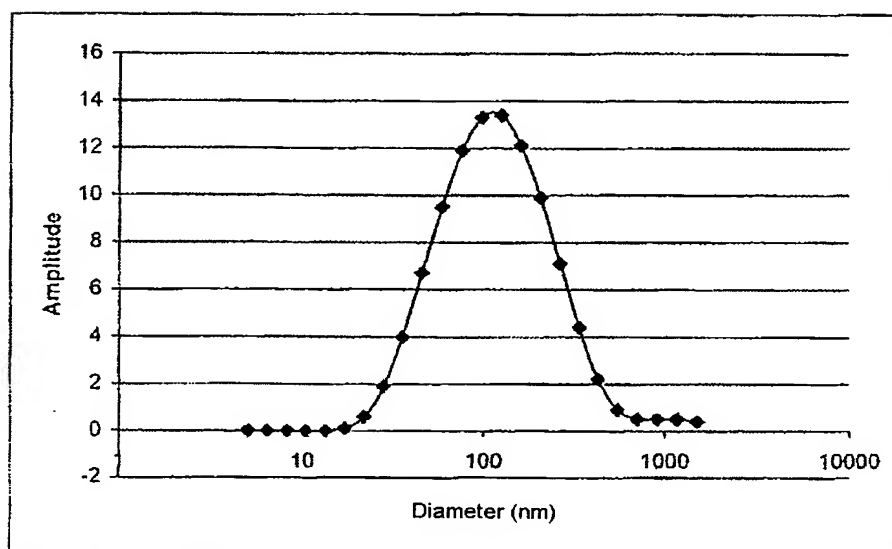


Figure 3: volume-based size distribution curve



Figure 4: Phase transmission electron microscopy after negative staining with 2% uranyl acetate of nanotubes formed by dispersion of compound A1 (2.5 mg.ml^{-1}) in water

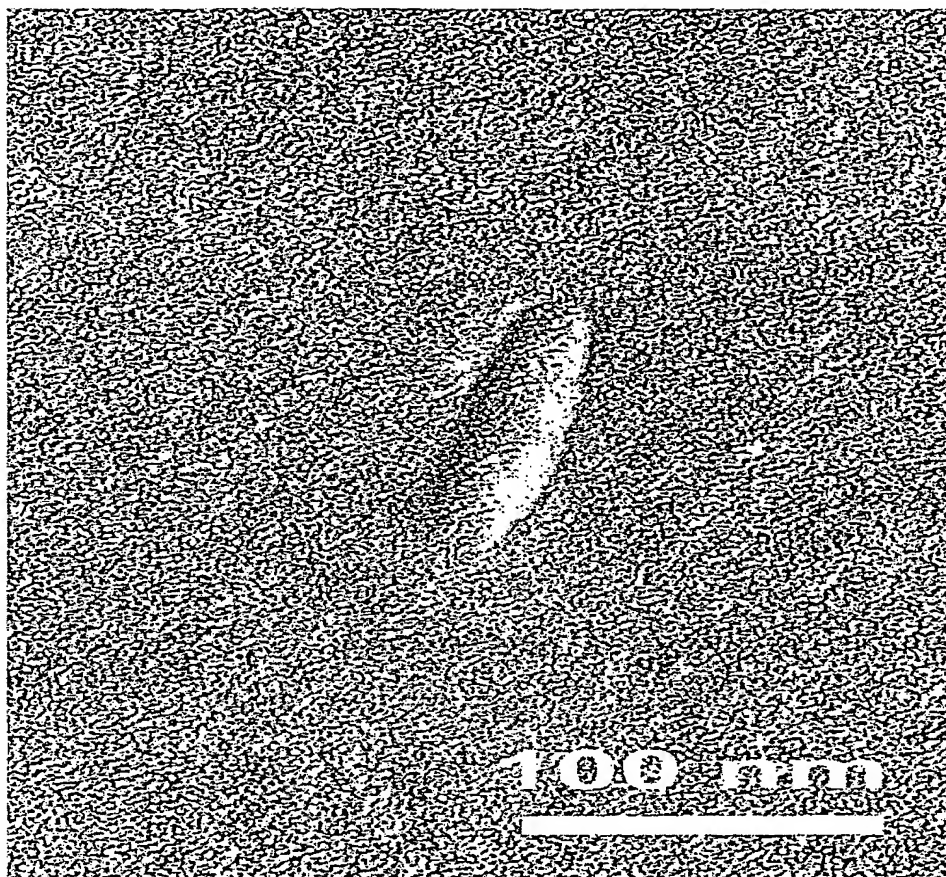


Figure 5: Phase transmission electron microscopy after freeze-fracture of a sample of nanotubes formed by dispersion of compound A1 (2.5 mg.ml^{-1}) in water

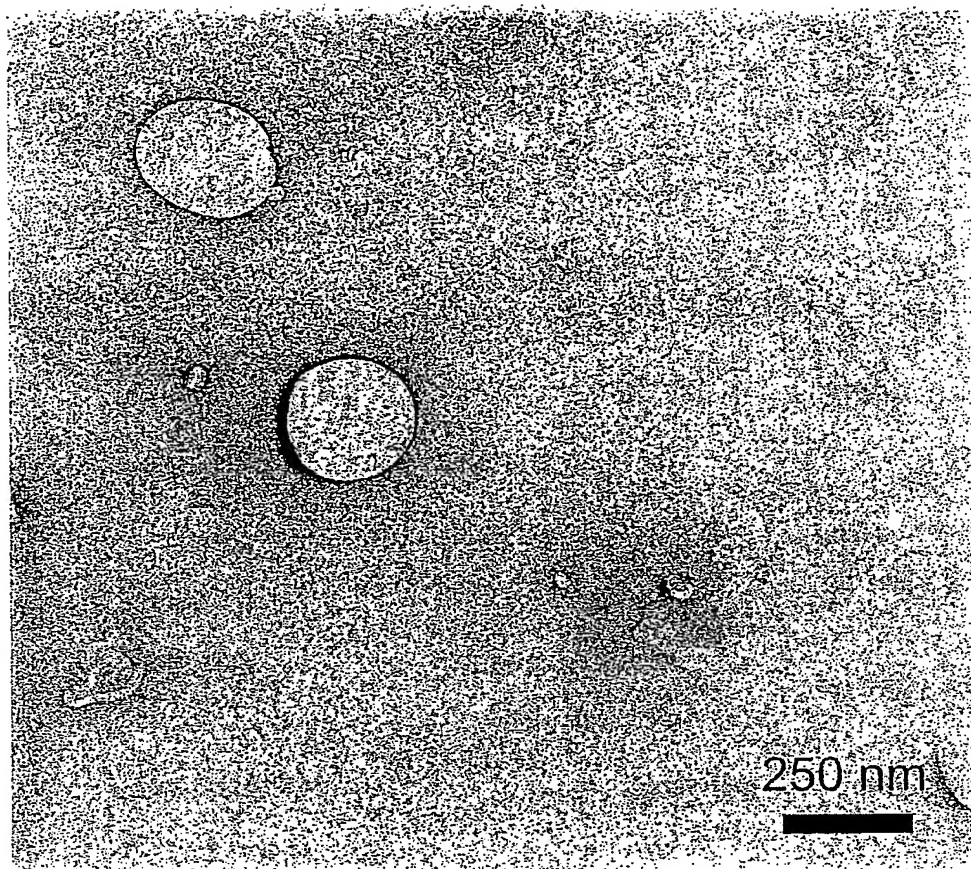


Figure 6: Phase transmission electron microscopy after negative staining with 2% uranyl acetate of a sample of nanotubes formed by dispersion of the compound of structure B (2.5 mg.ml^{-1}) in water

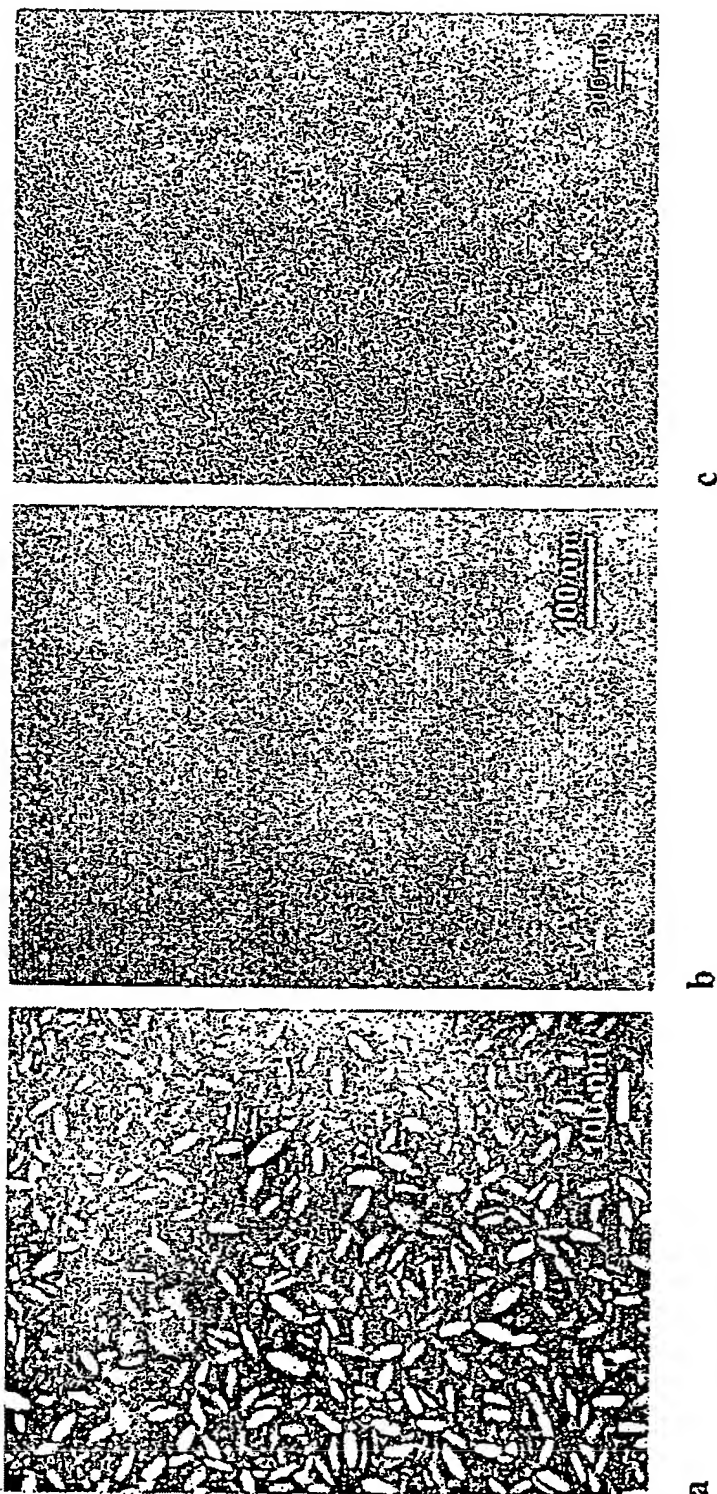


FIGURE 7

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Compounds A R=C ₁₇ H ₃₅	Hydrodynamic Diameter <i>D_H</i> (nm)	Polydispersity index	CMC (mM)	γ_{CMC} (mN.m ⁻¹)	Area of the polar head <i>A</i> (Å ²)
p=5	148 ± 12	0.21	n.d.*	n.d.*	n.d.*
p=8	123 ± 4	0.28	1.14 x 10 ⁻¹	49.5	66.5
p=11	55 ± 5	0.37	8.71 x 10 ⁻²	47.4	74.8
p=15	36 ± 2	0.30	6.88 x 10 ⁻²	54.5	82.3
p=25	8 ± 1	0.37	8.43 x 10 ⁻²	57.7	85.5
p=45	4 ± 1	0.35	7.62 x 10 ⁻²	56.5	93.5
p=50	4 ± 2	0.38	-	-	-
p=66	4 ± 1	0.35	-	-	-

FIGURE 8

Compound A	p=5	p=8	p=11
<i>Tm</i> _{granulo}	42.4 ± 0.5 °C	41 ± 1 °C	44 ± 1 °C
<i>Tm</i> _{fluo}	42 ± 1 °C	41	46 ± 1 °C

FIGURE 9